Switch 🌐

Packet Flow

1. Packet 1: Source MAC: 00:11:22:33:44:55 (Device A), Destination MAC: AA:BB:CC:DD:EE:FF (Device B)
2. Packet 2: Source MAC: AA:BB:CC:DD:EE:FF (Device B), Destination MAC: 00:11:22:33:44:55 (Device A)
3. Packet 3: Source MAC: 12:34:56:78:9A:BC (Device C), Destination MAC: DE:F0:12:34:56:78 (Device D)
4. Packet 4: Source MAC: AA:BB:CC:DD:EE:FF (Device B), Destination MAC: 12:34:56:78:9A:BC (Device C)
5. Packet 5: Source MAC: AA:BB:CC:DD:EE:FF (Device B), Destination MAC: DE:F0:12:34:56:78 (Device D)
6. Packet 6: Source MAC: 00:11:22:33:44:55 (Device A), Destination MAC: FF:FF:FF:FF:FF:FF (Broadcast)

Task

For each packet in the packet flow, determine which port(s) the switch will send the packet to based on its current switching table. Fill in the table below, indicating the port number(s) or "Broadcast" if the packet is

broadcast to all ports except the one on which it was received.

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| Packet | Port(s) |
| 1 | P2 |
| 2 | P1 |
| 3 | P4 |
| 4 | P3 |
| 5 | P4 |
| 6 | P2, P3, P4 |